

Abstract

An engine speed-dependent oil pressure regulation of control oil pumps for the lubricant supply of internal combustion engines is ensured by a control piston (1) that hydraulically controls the delivery regulation and to which a differential pressure piston (20) applies a variable additional force. For this purpose, a centrifugal force which is generated in a radial bore (26) of a rotating conveyor wheel (5) of the control oil pump and is variable as a function of engine speed is applied to the differential pressure piston (20).